National Weather Service
Storm Data and Unusual Weather Phenomena

May 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

WISCONSIN, Southeast

Sauk County
2 S Baraboo 06 1655CST 0 0 **Hail(0.75)**

Columbia County
1.5 SE Rio 06 1724CST 0 0 **Hail(0.75)**

Dodge County
1 N Neosho 06 2013CST 0 0 **Hail(0.75)**

Iowa County
3 N Ridgeway 06 2040CST 0 0 **Hail(0.75)**

Scattered late-afternoon and evening marginally-severe thunderstorms popped up over parts of south-central and southeast Wisconsin. Synoptically, a low-pressure moved northeast through southwestern Wisconsin while a warm front pushed north of a Madison to Milwaukee line. Elevated convection resulted. Daytime maximum temperatures were in the mid to upper 70s with surface dewpoints in the lower 60s.

Sauk County
Reedsburg to Spring Green 08 2100CST-2359CST 0 0 **Urban/Sml Stream Fld**

A couple thunderstorm complexes trained east-northeast across Sauk County and dumped very heavy rains which resulted in small stream and urban flooding. Most of the flooding was confined to bottomland near small streams, which quickly exceeded their banks. In Reedsburg, 1.00 inches of rain fell between 2137 and 2152CST. At this location, 2.25 inches fell between 2135 and 2210CST. At Bear Valley, on the Sauk-Richland county line, unofficial reports indicated that 3 to 4 inches fell between 1930 and 2205CST. Synoptically, low-pressure moved northeast through southwestern Wisconsin to northern Lake Michigan. Leading up to this event, daytime maximum temperatures were in the mid to upper 70s and surface dewpoints were in the lower 60s.

Sauk County
5.5 W Spring Green to 2.5 W Spring Green 30 1750CST 0 0 **Hail(1.75)**

Iowa County
Arena 30 1802CST 0 0 **Hail(1.75)**

Marquette County
2 NNE Briggsville to 3 ESE Briggsville 30 1806CST-1815CST 0 0 **Hail(1.00)**

Columbia County
6 NNE Portage to 5 N Portage 30 1815CST-1820CST 0 0 **Hail(1.00)**

Iowa County
Ridgeway 30 1818CST 0 0 **Funnel Cloud**

Dane County
Blue Mounds 30 1836CST 0 0 **Funnel Cloud**

Dodge County
Beaver Dam 30 1840CST 0 0 **Funnel Cloud**

Scattered severe thunderstorms developed and moved southeast across parts of south-central Wisconsin. Large hail, up to golf-ball size, resulted thanks to a cold, northwest flow pattern aloft coupled with moderate to strong low-level warm air advection. The storms occurred along and ahead of a surface trough of low-pressure which preceded a cold front. The thunderstorm updraft towers were fairly strong thanks to maximum temperatures in the mid 80s and CAPES of 2000-2500J/KG, which led to several funnel cloud reports. WSR-88D Doppler radar imagery indicated only weak low to mid level rotation. One storm chaser report from Dodge county indicated that a funnel cloud, persisting for about 8 minutes, developed after the updraft/cloud base had started to decay.